

L Number	Hits	Search Text	DB	Time stamp
1	258	(313/163).CCLS.	USPAT	2003/10/14 15:03
26	33	dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandiaky-gergely.in. 20030102808.did.	USPAT; US-PGPUB	2003/10/14 15:11
27	1		USPAT;	2003/10/14 15:11
28	15	((313/163).CCLS.) and gas	US-PGPUB USPAT;	2003/10/14 15:11
29	1	20030102808.did. and gas	US-PGPUB USPAT;	2003/10/14 15:12
30	1	20030102808.did. and gas	US-PGPUB USPAT;	2003/10/14 15:17
31	226	(313/571).CCLS.	US-PGPUB USPAT;	2003/10/14 15:33
32	0	((445/\$andmercurysame(fill\$6)).CCLS.	USPAT	2003/10/14 15:34
33	7347	("445").CLAS.	USPAT	2003/10/14 15:34
34	253	("445").CLAS.) and mercury same fill\$7	USPAT;	2003/10/14 15:37
			US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
35	98	(445/9).CCLS.	USPAT;	2003/10/14 15:57
36	54	(313/365).CCLS.	US-PGPUB USPAT;	2003/10/14 15:57
-	24	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic and metal adj halide and (rare adj earth)	US-PGPUB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 16:49
-	1	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic and metal adj halide and (rare adj earth)) and molar adj (percent "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 16:50
-	1188	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:40
-	1188	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:40
-	0	("1317 and ceramic").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:41
-	125	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:44
-	125	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:44
-	109	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic and lamp	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:44
-	80	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic and lamp) and (mercury hg)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/24 18:49

74	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp) and (mercury hg)) and (sodium na thallium tl magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)) and halide	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/24 18:53
41	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp) and (mercury hg)) and (sodium na thallium tl magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)) and halide	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/24 18:55
15	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp) and (mercury hg)) and (sodium na thallium tl magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)) and halide and (%)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/24 18:55
15	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp) and (mercury hg)) and (sodium na thallium tl magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)) and halide and (%)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/24 18:56
21	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp) and (mercury hg)) and (sodium na thallium tl magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)) and halide and (percent "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 09:53
0	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp) and (mercury hg)) and (sodium na) and (thallium and tl) and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)) and halide and (percent "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 09:55
0	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium and tl) and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra) and halide and (percent "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 09:56
6	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra) and halide and (percent "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 10:43
7	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (percent "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 10:54
6	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (percent "%") and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 10:55
15	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 10:55
13	(((((313/486) or (313/487) or (313/636) or (313/640)).CCL.S.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide) and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 11:14

1	(((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth)) not (((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (percent "%") and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 10:59
5	5698948.URPN.	USPAT	2002/10/25 11:14
2	5698948.URPN. and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide	USPAT	2002/10/25 11:14
2	(5698948.URPN. and ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide) and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 12:47
10	("3248590" "3317778" "3558963" "3761758" "3840767" "3867665" "3898504" "4769576" "5394059" "5451838").PN.	USPAT	2002/10/25 11:28
59	ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 13:23
59	ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:00
0	ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halogen not halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 15:31
7	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and molar adj fraction	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 17:47
5	(((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and PCA with ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 17:55
2	("5698948").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/25 17:55
9	alumina not ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:25
0	PCA not alumina not ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:28

142	lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:28
70	not alumina not ceramic and lamp and (mercury hg) and (sodium na) and (thallium tl) and halide and (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) and (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:28
4	not alumina not ceramic and lamp and (mercury hg) and (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:30
4	lamp and (mercury hg) and (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid) not alumina not ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:51
70	lamp and (mercury hg) and (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:51
9	lamp and (mercury hg) and (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid) and (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:57
5	lamp and (mercury hg) same (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid) and (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 16:01
1	lamp and (mercury hg) same (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid) same (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 15:55
3	lamp and (mercury hg) and (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (rare adj earth lanthanoid) same (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 16:25
38	lamp and (mercury hg) and (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium ta ytterbium yb lutetium lu hafnium hf lanthanum la) same (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 16:34

35	lamp and (mercury hg) same (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu hafnium hf lanthanum la) same (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 18:45
696	313/\$ and quartz with ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 16:45
0	lamp same (ceramic alumina) and (mercury hg) same (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu hafnium hf lanthanum la) same (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 16:53
11	lamp and (ceramic alumina) and (mercury hg) same (sodium na) same (thallium tl) same halide same (magnesium mg beryllium be calcium ca strontium sr barium ba radium ra alkaline adj earth) same (cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu hafnium hf lanthanum la) same (cesium cs)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 16:59
13194	313/\$ and lamp	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 17:01
2253	(313/\$ and lamp) and ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 17:01
202	(313/\$ and lamp) and ceramic with (improve advantage advantageous improvement)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 17:01
2	("5698948").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 19:09
1188	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 18:50
2	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and holmium with (improvement advantage advantageous improve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 19:02
1	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and calcium with halide with (improvement advantage advantageous improve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/26 19:59

	((313/486) or (313/487) or (313/636) or (313/640)).CCLS.) and power adj factor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/06/18 12:59
33	dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/27 19:54
28	(dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in.) and lamp	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/06/18 11:44
17	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in.) and lamp) and ceramic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/27 19:54
14	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in.) and lamp) and ceramic and (mercury hg)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/14 15:08
0	((((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in.) and lamp) and ceramic and (mercury hg)) and (sodium na) and (thullium tl))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/13 16:45
2	("5212424").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/27 19:58
30	(dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in.) and lamp	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/06/18 11:44
711	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.	USPAT; US-PGPUB;	2003/06/19 14:49

711 (US-2223425-\$ or US-2216252-\$ or
 US-2211590-\$ or US-2210780-\$ or
 US-2207174-\$ or US-2181305-\$ or
 US-2177755-\$ or US-2177728-\$ or
 US-2177705-\$ or US-2176151-\$ or
 US-2174449-\$ or US-2170066-\$ or
 US-2152999-\$ or US-2151496-\$ or
 US-2143077-\$ or US-2141905-\$ or
 US-2132273-\$ or US-2116977-\$ or
 US-2116678-\$ or US-2113973-\$ or
 US-2109984-\$ or US-2103093-\$ or
 US-2103085-\$ or US-2103053-\$ or
 US-2103032-\$ or US-2091277-\$).did. or
 (US-2059640-\$ or US-2056637-\$ or
 US-2030805-\$ or US-2030402-\$ or
 US-0907598-\$ or US-0865367-\$ or
 US-2607014-\$ or US-2586304-\$ or
 US-2563901-\$ or US-2563900-\$ or
 US-2563474-\$ or US-2558532-\$ or
 US-2534927-\$ or US-2533809-\$ or
 US-2498893-\$ or US-2476681-\$ or
 US-2452518-\$ or US-2450548-\$ or
 US-2447210-\$ or US-2445692-\$ or
 US-2424454-\$ or US-2419902-\$ or
 US-2413940-\$ or US-2409769-\$ or
 US-2392305-\$ or US-2386277-\$ or
 US-2366270-\$).did. or (US-2357732-\$ or
 US-2339178-\$ or US-2331306-\$ or
 US-2316366-\$ or US-2310866-\$ or
 US-2309676-\$ or US-2298581-\$ or
 US-2297940-\$ or US-2297108-\$ or
 US-2295040-\$ or US-2290186-\$ or
 US-2272992-\$ or US-2269919-\$ or
 US-2264856-\$ or US-2258472-\$ or
 US-2255761-\$ or US-2244558-\$ or
 US-2235802-\$ or US-2232780-\$ or
 US-2227418-\$ or US-2223426-\$ or
 US-3110556-\$ or US-3059133-\$ or
 US-3054013-\$ or US-3043710-\$ or
 US-3025423-\$ or US-3024383-\$).did. or
 (US-3023340-\$ or US-3023339-\$ or
 US-3018187-\$ or US-2966605-\$ or
 US-2965786-\$ or US-2965785-\$ or
 US-2962616-\$ or US-2961566-\$ or
 US-2946909-\$ or US-2930934-\$ or
 US-2919365-\$ or US-2915663-\$ or
 US-2901647-\$ or US-2838705-\$ or
 US-2806968-\$ or US-2785327-\$ or
 US-2748303-\$ or US-2724070-\$ or
 US-2721808-\$ or US-2709766-\$ or
 US-2692349-\$ or US-2663823-\$ or
 US-2637830-\$ or US-2622221-\$ or
 US-3555336-\$ or US-3548238-\$ or
 US-3547680-\$).did. or (US-3544481-\$ or
 US-3539857-\$ or US-3530327-\$ or
 US-3525864-\$ or US-3514659-\$ or
 US-3513346-\$ or US-3480819-\$ or
 US-3458747-\$ or US-3452238-\$ or
 US-3435271-\$ or US-3431511-\$ or
 US-3430090-\$ or US-3430089-\$ or
 US-3424605-\$ or US-3416019-\$ or
 US-3409792-\$ or US-3407325-\$ or
 US-3400288-\$ or US-3384775-\$ or
 US-3379916-\$ or US-3360675-\$ or
 US-3360674-\$ or US-3360673-\$ or
 US-3351796-\$ or US-3339101-\$ or
 US-3339100-\$ or US-3334261-\$).did. or
 (US-3331977-\$ or US-3328620-\$ or
 US-3317778-\$ or US-3287586-\$ or
 US-3274415-\$ or US-3255373-\$ or
 US-3242369-\$ or US-3206632-\$ or
 US-3153169-\$ or US-3141990-\$ or
 US-3133719-\$ or US-3114077-\$ or
 US-3086563-\$ or US-3078662-\$ or
 US-3078660-\$ or US-3071009-\$ or
 US-3071008-\$ or US-3066600-\$ or

USPAT;
 US-PGRUB

2003/06/16 13:09

Search History

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US-3078660-\$ or US-3071009-\$ or

711	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.	USPAT; US-PGPUB	2003/06/18 13:12
15	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.) and ceramic and lamp and mercury and (thallium Tl) same (halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:16
12	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.) and ceramic and lamp and mercury and (thallium Tl) same (halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:17
14	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.) and ceramic and lamp and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:18
12	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.) and ceramic and lamp,ti,ab, and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:28
12	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.) and ceramic and lamp,ti,ab, and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:26
1	((313/486) or (313/487) or (313/640) or (313/641)).CCLS.) and ceramic and lamp,ti,ab, and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same (percent percentage "%")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:27

1	((313/466) or (313/487) or (313/640) or (313/641)).CCLS.) and (alumina ceramic and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same (percent percentage "%"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:29
7	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same (percent percentage "%"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:35
7	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same (percent percentage "%")) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 13:38
3	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same ratio same (percent percentage "%")) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 14:43
1	5698948.pn.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/06/18 13:46
0	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same ratio same (percent percentage "%")) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:08

3	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same ratio same (percent percentage "%") and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:14
6	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same ratio same (thallium tl) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:18
94	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:30
6	(alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and molar same ratio same (thallium tl)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:24
1/26845	molar adj ratio with weight ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:27
2037	molar adj ratio with weight adj ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:29

<p>5 ((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same molar adj ratio and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/18 15:32</p>
<p>4 ((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same molar adj ratio and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and color adj rendering adj index</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/18 15:33</p>
<p>4 ((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same molar adj ratio and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/18 15:34</p>

4	(((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same molar adj ratio and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 15:53
26	(((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:55
3	(((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")) and percent	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:09

<p>17. (((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Ti) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")) and (percent percentage "i")</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/18 16:10</p>
<p>3. (((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Ti) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")) and (percent percentage "i") same (rare adj earth)</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/19 10:11</p>
<p>2. (((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Ti) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")) and (percent percentage "i") same (rare adj earth)</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/18 16:11</p>

7	(((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a")) and philips	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:19
0	Philips and mastercolor and "dyI.sub.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:19
0	Philips and "mastercolor.rtm" and "dyI.sub.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:20
2	Philips and "mastercolor.rtm" and "dyI.sub.3"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:20
2	Philips and "mastercolor" and "DyI.sub.3"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:21
16	Philips and ("DyI.sub.3" "HoI.sub.3" and "TmI.sub.3")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:49
7	Philips and ("DyI.sub.3" and "HoI.sub.3" and "TmI.sub.3")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:22
7	Philips and ("DyI.sub.3" same "HoI.sub.3" same "TmI.sub.3")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:24
2	Philips and ("DyI.sub.3" same "HoI.sub.3" same "TmI.sub.3") and (mercury hg)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:27
0	williams-joseph-l.xa. and "%".clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:28
23	williams-joseph.xa. and "%".clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 16:28

2	Philips and ("Dyl.sub.3" "Hol.sub.3" and "Tml.sub.3") and mastercolor and color adj rendering adj index	USPAT; US-PGPUB; EPO; JPO; DERWENT; IRM_TDB	2003/06/19 09:59
18	((alumina ceramic) and lamp.tl,ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a") and (cesium cs) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IRM_TDB	2003/06/18 17:00
11	((alumina ceramic) and lamp.tl,ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a") and cesium same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IRM_TDB	2003/06/18 17:01
10	((alumina ceramic) and lamp.tl,ab. and mercury and (thallium Tl) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) same (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index "R.sub.a") and cesium with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IRM_TDB	2003/06/18 17:11

20	popov-oleg.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/18 17:11
0	philips and mastercolor same cesium	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 09:59
0	5212424.pn. and (cri color adj rendering adj index)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 10:08
4	(((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (mol molar) adj3 (fraction percent percentage "%") same (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 10:16
6355	"14"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 10:18
4	(((alumina ceramic) and lamp.ti.ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (rare adj earth lanthanoid) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (mol molar) adj3 (fraction percent percentage "%") same (rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 12:13

1	(((sapphire polycrystalline adj "Al.2	USPAT;	2003/06/19 12:18
	O.sub.3") and lamp.tl,ab. and mercury and	US-PGPUB;	
	(thallium Tl) with (halide halogen	EPO; JPO;	
	fluorine fluoride chlorine cl chloride	DERWENT;	
	bromine br bromide iodine iodide astatine	IBM_TDR	
	astatide at) and (sodium na) with (halide		
	halogen fluorine fluoride chlorine cl		
	chloride bromine br bromide iodine iodide		
	astatine astatide at) and (beryllium be		
	magnesium mg calcium ca strontium sr		
	barium ba radium ra) with (halide halogen		
	fluorine fluoride chlorine cl chloride		
	bromine br bromide iodine iodide astatine		
	astatide at)) and (rare adj carth		
	lanthanoid) with (halide halogen fluorine		
	fluoride chlorine cl chloride bromine br		
	bromide iodine iodide astatine astatide		
	at)) and (mol molar) adj3 (fraction		
	percent percentage "%") same (rare adj		
	earth lanthanoid)		
1	(((sapphire polycrystalline adj "Al.2	USPAT;	2003/06/19 12:22
	O.sub.3") and lamp.tl,ab. and mercury and	US-PGPUB;	
	(thallium Tl) with (halide halogen	EPO; JPO;	
	fluorine fluoride chlorine cl chloride	DERWENT;	
	bromine br bromide iodine iodide astatine	IBM_TDR	
	astatide at) and (sodium na) with (halide		
	halogen fluorine fluoride chlorine cl		
	chloride bromine br bromide iodine iodide		
	astatine astatide at) and (beryllium be		
	magnesium mg calcium ca strontium sr		
	barium ba radium ra) with (halide halogen		
	fluorine fluoride chlorine cl chloride		
	bromine br bromide iodine iodide astatine		
	astatide at)) and (scandium		
	yttrium,lanthanum cerium praseodymium		
	neodymium, promethium samarium europium		
	gadolinium terbium dysprosium holmium		
	erbium thulium ytterbium lutetium) with		
	(halide halogen fluorine fluoride chlorine		
	cl chloride bromine br bromide iodine		
	iodide astatine astatide at)) and (mol		
	molar) adj3 (fraction percent percentage		
	"%") same (scandium yttrium,lanthanum		
	cerium praseodymium neodymium, promethium		
	samarium europium gadolinium terbium		
	dysprosium holmium erbium thulium		
	ytterbium lutetium rare adj earth		
	lanthanoid)		

1	(((sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.ti,ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (scandium yttriumlanthanum cerium praseodymium neodymium promethium samarium europium gadolinium terbium dysprosium holmium erbium thulium ytterbium lutetium) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (mol molar) adj3 (fraction percent percentage "%") same (scandium yttriumlanthanum cerium praseodymium neodymium promethium samarium europium gadolinium terbium dysprosium holmium erbium thulium ytterbium lutetium rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 12:30
1	(((sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.ti,ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (mol molar) adj3 (fraction percent percentage "%") same (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 13:24

<p>3' (((sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.ti.ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (cesium cs) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index CRI "R.sub.a") with ("80" "85" "90" "95" "100")</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/19 12:46</p>
<p>15' (((ceramic alumina sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.ti.ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (cesium cs) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index CRI "R.sub.a") with ("80" "85" "90" "95" "100")</p>	<p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p>	<p>2003/06/19 12:59</p>

15	(((ceramic alumina sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.tl,ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (cesium cs) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj) rendering adj index CRf "R.sub.a) with ("80" "85" "90" "95" "100")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 13:05
5	(((ceramic alumina sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.tl,ab. and mercury and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at)) and (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (mol molar) adj3 (fraction percent percentage "\$") same (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu rare adj earth lanthanoid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 13:12

IS'((((ceramic alumina sapphire	USPAT;	2003/06/19 13:50
polycrystalline adj "Al.2 O.sub.3") and	US-PGPUB;	
lamp.tl,ab. and mercury and (thallium Tl)	EPO; JPO;	
with (halide halogen fluorine fluoride	DERWENT;	
chlorine cl chloride bromine br bromide	IBM_TDB	
iodine iodide astatine astatide at) and		
(sodium na) with (halide halogen fluorine		
fluoride chlorine cl chloride bromine br		
bromide iodine iodide astatine astatide		
at) and (beryllium be magnesium mg		
calcium ca strontium sr barium ba radium		
ra) with (halide halogen fluorine fluoride		
chlorine cl chloride bromine br bromide		
iodine iodide astatine astatide at)) and		
(scandium sc yttrium Y lanthanum La cerium		
ce praseodymium pr neodymium nd promethium		
pm samarium sm europium eu gadolinium gd		
terbium tb dysprosium dy holmium ho erbium		
er thulium tm ytterbium yb lutetium lu)		
with (halide halogen fluorine fluoride		
chlorine cl chloride bromine br bromide		
iodine iodide astatine astatide at)) and		
(cesium cs) with (halide halogen fluorine		
fluoride chlorine cl chloride bromine br		
bromide iodine iodide astatine astatide		
at) and (color adj rendering adj index CRI		
"R.sub.a") with ("80" "85" "90" "95"		
"100")) and (((thallium Tl) with (halide		
halogen fluorine fluoride chlorine cl		
chloride bromine br bromide iodine iodide		
astatine astatide at) and (sodium na) with		
(halide halogen fluorine fluoride chlorine		
cl chloride bromine br bromide iodine		
iodide astatine astatide at) and		
(beryllium be magnesium mg calcium ca		
strontium sr barium ba radium ra) with		
(halide halogen fluorine fluoride chlorine		
cl chloride bromine br bromide iodine		
iodide astatine astatide at)) and		
(scandium sc yttrium Y lanthanum La cerium		
ce praseodymium pr neodymium nd promethium		
pm samarium sm europium eu gadolinium gd		
terbium tb dysprosium dy holmium ho erbium		
er thulium tm ytterbium yb lutetium lu)		
with (halide halogen fluorine fluoride		
chlorine cl chloride bromine br bromide		
iodine iodide astatine astatide at)) and		
(cesium cs) with (halide halogen fluorine		
fluoride chlorine cl chloride bromine br		
bromide iodine iodide astatine astatide		
at) and (color adj rendering adj index CRI		
"R.sub.a") with ("80" "85" "90" "95"		
"100")		

15	((ceramic alumina sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.ti.ab. and mercury) and (thallium Tl) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (sodium na) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (beryllium be magnesium mg calcium ca strontium sr barium ba radium ra) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (scandium sc yttrium Y lanthanum La cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er thulium tm ytterbium yb lutetium lu) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (cesium cs) with (halide halogen fluorine fluoride chlorine cl chloride bromine br bromide iodine iodide astatine astatide at) and (color adj rendering adj index CR1 "R.sub.a") with ("80" "85" "90" "95" "100")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 14:00
2062	(ceramic alumina sapphire polycrystalline adj "Al.2 O.sub.3") and lamp.ti.ab. and mercury	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/19 13:20

2000 (US-355896-\$ or US-3564328-\$ or
US-4449948-\$ or US-4445073-\$ or
US-4445067-\$ or US-4442379-\$ or
US-4442378-\$ or US-4441049-\$ or
US-4437039-\$ or US-4435284-\$ or
US-4434385-\$ or US-4431945-\$ or
US-4427922-\$ or US-4422017-\$ or
US-4422007-\$ or US-4420708-\$ or
US-4419303-\$ or US-4418300-\$ or
US-4414318-\$ or US-4409522-\$ or
US-4409517-\$ or US-4405423-\$ or
US-4403171-\$ or US-4401913-\$ or
US-4401912-\$ or US-4400754-\$).did. or
(US-4396856-\$ or US-4396595-\$ or
US-4394580-\$ or US-4393100-\$ or
US-4390811-\$ or US-4388557-\$ or
US-4387067-\$ or US-4386050-\$ or
US-4382207-\$ or US-4382205-\$ or
US-4380714-\$ or US-4379982-\$ or
US-4376259-\$ or US-4374339-\$ or
US-4373146-\$ or US-4363998-\$ or
US-4362969-\$ or US-4361782-\$ or
US-4358717-\$ or US-4349764-\$ or
US-4345178-\$ or US-4344018-\$ or
US-4342939-\$ or US-4342938-\$ or
US-4342937-\$ or US-4340930-\$ or
US-4339686-\$).did. or (US-4338544-\$ or
US-4335330-\$ or US-4333032-\$ or
US-4325004-\$ or US-4322654-\$ or
US-4321503-\$ or US-4319157-\$ or
US-4316122-\$ or US-4308650-\$ or
US-4307315-\$ or US-4303848-\$ or
US-4298826-\$ or US-4291230-\$ or
US-4290097-\$ or US-4289991-\$ or
US-4287454-\$ or US-4287452-\$ or
US-4286190-\$ or US-4282462-\$ or
US-4281271-\$ or US-4281267-\$ or
US-4278916-\$ or US-4277715-\$ or
US-4277438-\$ or US-4272703-\$ or
US-4265950-\$ or US-4256988-\$).did. or
(US-4255642-\$ or US-4238173-\$ or
US-4233542-\$ or US-4233493-\$ or
US-4230964-\$ or US-4223986-\$ or
US-4223250-\$ or US-4216408-\$ or
US-4216178-\$ or US-4211758-\$ or
US-4210840-\$ or US-4210839-\$ or
US-4208618-\$ or US-4208614-\$ or
US-4206387-\$ or US-4205258-\$ or
US-4204137-\$ or US-4203049-\$ or
US-4198586-\$ or US-4197957-\$ or
US-4197480-\$ or US-4196374-\$ or
US-4193879-\$ or US-4191910-\$ or
US-4191907-\$ or US-4187445-\$ or
US-4185221-\$).did. or (US-4184101-\$ or
US-4182976-\$ or US-4182975-\$ or
US-RE30181-\$ or US-4180763-\$ or
US-4179777-\$ or US-4179640-\$ or
US-RE30165-\$ or US-4173730-\$ or
US-4172981-\$ or US-4171500-\$ or
US-4169875-\$ or US-4162430-\$ or
US-4162151-\$ or US-4161672-\$ or
US-4160930-\$ or US-4158153-\$ or
US-4156830-\$ or US-4156550-\$ or
US-4156265-\$ or US-4155025-\$ or
US-4152620-\$ or US-4152619-\$ or
US-4150321-\$ or US-4150317-\$ or
US-4147961-\$ or US-4147951-\$).did. or
(US-4145634-\$ or US-4143301-\$ or
US-4140938-\$ or US-4137484-\$ or
US-4137483-\$ or US-4135114-\$ or
US-4135110-\$ or US-4128789-\$ or
US-4123685-\$ or US-4122042-\$ or
US-4115132-\$ or US-4114970-\$ or
US-4110558-\$ or US-4109175-\$ or
US-4103200-\$ or US-4096088-\$ or
US-4092900-\$ or US-4092560-\$

USPAT;
US-PGPUB;
EPO; JPO;
DERWENT

2003/06/19 13:23

Search History

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11' ((((ceramic alumina sapphire
 polycrystalline adj "Al.2 O.sub.3") and
 lamp.ti,ab. and mercury and (thallium Tl)
 with (halide halogen fluorine fluoride
 chlorine cl chloride bromine br bromide
 iodine iodide astatine astatide at) and
 (sodium na) with (halide halogen fluorine
 fluoride chlorine cl chloride bromine br
 bromide iodine iodide astatine astatide
 at) and (beryllium be magnesium mg
 calcium ca strontium sr barium ba radium
 ra) with (halide halogen fluorine fluoride
 chlorine cl chloride bromine br bromide
 iodine iodide astatine astatide at)) and
 (scandium sc yttrium Y lanthanum la cerium
 ce praseodymium pr neodymium nd promethium
 pm samarium sm europium eu gadolinium gd
 terbium tb dysprosium dy holmium ho erbium
 er thulium tm ytterbium yb lutetium lu)
 with (halide halogen fluorine fluoride
 chlorine cl chloride bromine br bromide
 iodine iodide astatine astatide at)) and
 (cesium cs) with (halide halogen fluorine
 fluoride chlorine cl chloride bromine br
 bromide iodine iodide astatine astatide
 at) and (color adj rendering adj index CR1
 "R.sub.a") with ("80" "85" "90" "95"
 "100")) and (((thallium Tl) with (halide
 halogen fluorine fluoride chlorine cl
 chloride bromine br bromide iodine iodide
 astatine astatide at) and (sodium na) with
 (halide halogen fluorine fluoride chlorine
 cl chloride bromine br bromide iodine
 iodide astatine astatide at) and
 (beryllium be magnesium mg calcium ca
 strontium sr barium ba radium ra) with
 (halide halogen fluorine fluoride chlorine
 cl chloride bromine br bromide iodine
 iodide astatine astatide at)) and
 (scandium sc yttrium Y lanthanum la cerium
 ce praseodymium pr neodymium nd promethium
 pm samarium sm europium eu gadolinium gd
 terbium tb dysprosium dy holmium ho erbium
 er thulium tm ytterbium yb lutetium lu)
 with (halide halogen fluorine fluoride
 chlorine cl chloride bromine br bromide
 iodine iodide astatine astatide at)) and
 (cesium cs) with (halide halogen fluorine
 fluoride chlorine cl chloride bromine br
 bromide iodine iodide astatine astatide
 at) and (color adj rendering adj index CR1
 "R.sub.a") with ("80" "85" "90" "95"
 "100")) not mercury adj free

USPAT; 2003/06/19 13:30
 US-PGPUB;
 KPO; JPO;
 DEWENT;
 IHM_TDB

3, ((ceramic alumina sapphire polycrystalline
adj "Al.2 O.sub.3") and lamp.ti.ab. and
mercury) and (thallium Tl) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at) and (sodium na) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at) and
(beryllium be magnesium mg calcium ca
strontium sr barium ba radium ra) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at) and
(scandium sc yttrium Y lanthanum La cerium
ce praseodymium pr neodymium nd promethium
pm samarium sm europium eu gadolinium gd
terbium tb dysprosium dy holmium ho erbium
er thulium tm ytterbium yb lutetium lu)
with (halide halogen fluorine fluoride
chlorine cl chloride bromine br bromide
iodine iodide astatine astatide at) and
(cesium cs) with (halide halogen fluorine
fluoride chlorine cl chloride bromine br
bromide iodine iodide astatine astatide
at) and (color adj rendering adj index CRI
"R.sub.a") not (((((ceramic alumina
sapphire polycrystalline adj "Al.2
O.sub.3") and lamp.ti.ab. and mercury and
(thallium Tl) with (halide halogen
fluorine fluoride chlorine cl chloride
bromine br bromide iodine iodide astatine
astatide at) and (sodium na) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at) and (beryllium be
magnesium mg calcium ca strontium sr
barium ba radium ra) with (halide halogen
fluorine fluoride chlorine cl chloride
bromine br bromide iodine iodide astatine
astatide at)) and (scandium sc yttrium Y
lanthanum La cerium ce praseodymium pr
neodymium nd promethium pm samarium sm
europium eu gadolinium gd terbium tb
dysprosium dy holmium ho erbium er thulium
tm ytterbium yb lutetium lu) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at)) and (cesium cs)
with (halide halogen fluorine fluoride
chlorine cl chloride bromine br bromide
iodine iodide astatine astatide at) and
(color adj rendering adj index CRI
"R.sub.a") with ("80" "85" "90" "95"
"100")) and (((thallium Tl) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at) and (sodium na) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at) and
(beryllium be magnesium mg calcium ca
strontium sr barium ba radium ra) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at)) and
(scandium sc yttrium Y lanthanum La cerium
ce praseodymium pr neodymium nd promethium
pm samarium sm europium eu gadolinium gd
terbium tb dysprosium dy holmium ho erbium
er thulium tm ytterbium yb lutetium lu)
with (halide halogen fluorine fluoride
chlorine cl chloride bromine br bromide
iodine iodide astatine astatide at)) and
(cesium cs) with (halide halogen fluorine
fluoride chlorine cl chloride bromine br

USPAT;
US-PGPUR;
EPO; JPO;
DERWENT;
IRM_TDB

2003/06/19 14:05

Search history

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2 ((ceramic alumina sapphire polycrystalline
adj "Al.2 O.sub.3") and lamp.tl.ab. and
mercury) and (thallium Tl) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at) and (sodium na) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at) and
(beryllium be magnesium mg calcium ca
strontium sr barium ba radium ra) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at) and
(scandium sc yttrium Y lanthanum La cerium
ce praseodymium pr neodymium nd promethium
pm samarium sm europium eu gadolinium gd
terbium tb dysprosium dy holmium ho erbium
er thulium tm ytterbium yb lutetium lu)
with (halide halogen fluorine fluoride
chlorine cl chloride bromine br bromide
iodine iodide astatine astatide at) and
(cesium cs) with (halide halogen fluorine
fluoride chlorine cl chloride bromine br
bromide iodine iodide astatine astatide
at) and (color adj rendering adj index CRI
"R.sub.a" "Ra") not (((((ceramic alumina
sapphire polycrystalline adj "Al.2
O.sub.3") and lamp.tl.ab. and mercury and
(thallium Tl) with (halide halogen
fluorine fluoride chlorine cl chloride
bromine br bromide iodine iodide astatine
astatide at) and (sodium na) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at) and (beryllium be
magnesium mg calcium ca strontium sr
barium ba radium ra) with (halide halogen
fluorine fluoride chlorine cl chloride
bromine br bromide iodine iodide astatine
astatide at)) and (scandium sc yttrium Y
lanthanum La cerium ce praseodymium pr
neodymium nd promethium pm samarium sm
europium eu gadolinium gd terbium tb
dysprosium dy holmium ho erbium er thulium
tm ytterbium yb lutetium lu) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at)) and (cesium cs)
with (halide halogen fluorine fluoride
chlorine cl chloride bromine br bromide
iodine iodide astatine astatide at) and
(color adj rendering adj index CRI
"R.sub.a") with ("80" "85" "90" "95"
"100")) and (((thallium Tl) with (halide
halogen fluorine fluoride chlorine cl
chloride bromine br bromide iodine iodide
astatine astatide at) and (sodium na) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at) and
(beryllium be magnesium mg calcium ca
strontium sr barium ba radium ra) with
(halide halogen fluorine fluoride chlorine
cl chloride bromine br bromide iodine
iodide astatine astatide at)) and
(scandium sc yttrium Y lanthanum La cerium
ce praseodymium pr neodymium nd promethium
pm samarium sm europium eu gadolinium gd
terbium tb dysprosium dy holmium ho erbium
er thulium tm ytterbium yb lutetium lu)
with (halide halogen fluorine fluoride
chlorine cl chloride bromine br bromide
iodine iodide astatine astatide at)) and
(cesium cs) with (halide halogen fluorine
fluoride chlorine cl chloride bromine br

USPAT;
US-PGPUB;
EPO; JPO;
DERWENT;
IBM TDB

2003/06/19 14:12

Search History

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656	((313/486) or (313/487) or (313/640)).CCL.S.	USPAT;	2003/06/19 14:49
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		USPAT;	2003/06/19 14:49
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		USPAT;	2003/06/19 14:50
55	((313/641).CCL.S.) not ((313/486) or (313/487) or (313/640)).CCL.S.)	USPAT;	2003/06/19 14:50
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		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
27044	dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.	USPAT;	2003/10/13 16:45
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		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
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		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
3018	(dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.	USPAT;	2003/10/13 16:46
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
69	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.) and (sodium Na) and (Tl thallium)	USPAT;	2003/10/13 16:47
		US-PGPUB;	
		KPO; JPO;	
		DERWENT;	
		IBM_TDB	
54	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg)	USPAT;	2003/10/13 16:48
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
20	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg) and (chlorine Cl bromine Br Iodine)	USPAT;	2003/10/13 16:49
		US-PGPUB;	
		KPO; JPO;	
		DERWENT;	
		IBM_TDB	
3	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg) and (chlorine Cl bromine Br Iodine) and (rare adj earth)	USPAT;	2003/10/13 16:50
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
2	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg) and (chlorine Cl bromine Br Iodine) and (rare adj earth) and (percent "%")	USPAT;	2003/10/13 16:50
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
2	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,ti,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg) and (chlorine Cl bromine Br Iodine) and (rare adj earth) and (percent "%")	USPAT;	2003/10/13 16:51
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	

2	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,tl,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg)) and (chlorine Cl bromine Br Iodine) and (rare adj earth) and (percent "%") and ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 16:59
0	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,tl,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg)) and (chlorine Cl bromine Br Iodine) with (thallium Tl) and (rare adj earth) and (percent "%") and ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 16:59
2	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,tl,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg)) and (chlorine Cl bromine Br Iodine) same (thallium Tl) and (rare adj earth) and (percent "%") and ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 17:04
2	((dakin-james-t.in. leonard-james-a.in. mucklejohn-stuart-a.in. ormandlaky-gergely.in. general-electric-company.as.) and (lamp luminaire light).ab,tl,clm.) and (sodium Na) and (Tl thallium) and (mercury Hg)) and (chlorine Cl bromine Br Iodine) same (thallium Tl) and (rare adj earth) and (percent "%") and ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 17:14
930	((313/486) or (313/487) or (313/636) or (313/640) or (313/641)).CCLS.	USPAT	2003/10/13 18:17
68	((313/486) or (313/487) or (313/636) or (313/640) or (313/641)).CCLS.	US-PGPUB	2003/10/13 17:41
8	((313/486) or (313/487) or (313/636) or (313/640) or (313/641)).CCLS.) and (thallium Tl)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 17:42
5	((313/486) or (313/487) or (313/636) or (313/640) or (313/641)).CCLS.) and (thallium Tl) and (sodium Na)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 17:43
3	((313/486) or (313/487) or (313/636) or (313/640) or (313/641)).CCLS.) and (thallium Tl) and (sodium Na) and (mercury Hg)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 17:43
23	(US-6614103-\$ or US-6614165-\$ or US-6613247-\$ or US-6617789-\$ or US-6621208-\$ or US-6627112-\$ or US-6617781-\$ or US-6617782-\$ or US-6570328-\$ or US-6573654-\$ or US-6576157-\$ or US-6583563-\$ or US-6585912-\$ or US-6590333-\$ or US-6592780-\$ or US-6593694-\$ or US-6603258-\$ or US-6600260-\$ or US-6597116-\$ or US-6597104-\$ or US-6596196-\$ or US-6617788-\$ or US-6613248-\$).did.	USPAT	2003/10/13 18:17

3	((US-6614103-\$ or US-6614165-\$ or	USPAT;	2003/10/13 18:18
	US-6613247-\$ or US-6617789-\$ or	US-PGPUB;	
	US-6621208-\$ or US-6627112-\$ or	EPO; JPO;	
	US-6617781-\$ or US-6617782-\$ or	DERWENT;	
	US-6570328-\$ or US-6573654-\$ or	IBM_TDB	
	US-6576157-\$ or US-6583563-\$ or		
	US-6585912-\$ or US-6590333-\$ or		
	US-6592780-\$ or US-6593694-\$ or		
	US-6603258-\$ or US-6600260-\$ or		
	US-6597116-\$ or US-6597104-\$ or		
	US-6596196-\$ or US-6617788-\$ or		
	US-6613248-\$).did.) and (thallium Tl TLI)		
2	((US-6614103-\$ or US-6614165-\$ or	USPAT;	2003/10/13 18:20
	US-6613247-\$ or US-6617789-\$ or	US-PGPUB;	
	US-6621208-\$ or US-6627112-\$ or	EPO; JPO;	
	US-6617781-\$ or US-6617782-\$ or	DERWENT;	
	US-6570328-\$ or US-6573654-\$ or	IBM_TDB	
	US-6576157-\$ or US-6583563-\$ or		
	US-6585912-\$ or US-6590333-\$ or		
	US-6592780-\$ or US-6593694-\$ or		
	US-6603258-\$ or US-6600260-\$ or		
	US-6597116-\$ or US-6597104-\$ or		
	US-6596196-\$ or US-6617788-\$ or		
	US-6613248-\$).did.) and (thallium Tl TLI)		
	and mercury and (sodium na)		
1	((US-6614103-\$ or US-6614165-\$ or	USPAT;	2003/10/13 18:22
	US-6613247-\$ or US-6617789-\$ or	US-PGPUB;	
	US-6621208-\$ or US-6627112-\$ or	EPO; JPO;	
	US-6617781-\$ or US-6617782-\$ or	DERWENT;	
	US-6570328-\$ or US-6573654-\$ or	IBM_TDB	
	US-6576157-\$ or US-6583563-\$ or		
	US-6585912-\$ or US-6590333-\$ or		
	US-6592780-\$ or US-6593694-\$ or		
	US-6603258-\$ or US-6600260-\$ or		
	US-6597116-\$ or US-6597104-\$ or		
	US-6596196-\$ or US-6617788-\$ or		
	US-6613248-\$).did.) and (thallium Tl TLI)		
	and mercury and (sodium na) and ratio		
1	((US-6614103-\$ or US-6614165-\$ or	USPAT;	2003/10/13 18:35
	US-6613247-\$ or US-6617789-\$ or	US-PGPUB;	
	US-6621208-\$ or US-6627112-\$ or	EPO; JPO;	
	US-6617781-\$ or US-6617782-\$ or	DERWENT;	
	US-6570328-\$ or US-6573654-\$ or	IBM_TDB	
	US-6576157-\$ or US-6583563-\$ or		
	US-6585912-\$ or US-6590333-\$ or		
	US-6592780-\$ or US-6593694-\$ or		
	US-6603258-\$ or US-6600260-\$ or		
	US-6597116-\$ or US-6597104-\$ or		
	US-6596196-\$ or US-6617788-\$ or		
	US-6613248-\$).did.) and (thallium Tl TLI)		
	and mercury and (sodium na) and ratio and		
	(alkaline beryllium magnesium calcium		
	strontium barium radium be mg ca sr ba ra)		
0	((US-6614103-\$ or US-6614165-\$ or	USPAT;	2003/10/13 18:24
	US-6613247-\$ or US-6617789-\$ or	US-PGPUB;	
	US-6621208-\$ or US-6627112-\$ or	EPO; JPO;	
	US-6617781-\$ or US-6617782-\$ or	DERWENT;	
	US-6570328-\$ or US-6573654-\$ or	IBM_TDB	
	US-6576157-\$ or US-6583563-\$ or		
	US-6585912-\$ or US-6590333-\$ or		
	US-6592780-\$ or US-6593694-\$ or		
	US-6603258-\$ or US-6600260-\$ or		
	US-6597116-\$ or US-6597104-\$ or		
	US-6596196-\$ or US-6617788-\$ or		
	US-6613248-\$).did.) and (thallium Tl TLI)		
	and mercury and (sodium na) and ratio and		
	(alkaline beryllium magnesium calcium		
	strontium barium radium ca sr ba ra)		

443	(lamp luminaire light).ab,ti,clm. and (thallium Tl TLI) and mercury and (sodium na) and (molar mole) and (alkaline beryllium magnesium calcium strontium barium radium be mg ca sr ba ra)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 18:35
71	(lamp luminaire light).ab,ti,clm. and (thallium Tl TLI) and (mercury hg) and (sodium na) and (molar mole) and (alkaline beryllium magnesium calcium strontium barium radium be mg ca sr ba ra) and percent with ratio	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 18:36
391	(lamp luminaire light).ab,ti,clm. and (thallium Tl TLI) and (mercury hg) and (sodium na) and (molar mole) and (alkaline beryllium magnesium calcium strontium barium radium be mg ca sr ba ra) and (fluorine chlorine bromine iodine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 18:36
312	(lamp luminaire light).ab,ti,clm. and (thallium Tl TLI) and (mercury hg) and (sodium na) and (molar mole) and (alkaline beryllium magnesium calcium strontium barium radium be mg ca sr ba ra) and (fluorine chlorine bromine iodine) and (halide halogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 18:40
14	(lamp luminaire light).ab,ti,clm. and (TLF TLCl TLBr TLI) and (mercury hg) and (sodium na) and (molar mole) and (alkaline beryllium magnesium calcium strontium barium radium be mg ca sr ba ra) and (fluorine chlorine bromine iodine) and (halide halogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/14 10:40
3	(lamp luminaire light).ab,ti,clm. and (TLF TLCl TLBr TLI) and (mercury hg) and (sodium na) and (molar mole) and ("MgI.sub.2" "MgF.sub.2" "MgCl.sub.2" "MgBr.sub.2" "CaI.sub.2" "CaF.sub.2" "CaCl.sub.2" "CaBr.sub.2" "SrI.sub.2" "SrF.sub.2" "SrCl.sub.2" "SrBr.sub.2" "BaI.sub.2" "BaF.sub.2" "BaCl.sub.2" "BaBr.sub.2" "BeI.sub.2" "BeF.sub.2" "BeCl.sub.2" "BeBr.sub.2" "RaI.sub.2" "RaF.sub.2" "RaCl.sub.2" "RaBr.sub.2") and (fluorine chlorine bromine iodine) and (halide halogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/14 11:14
1189	Zirconium near3 rare adj earth	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/13 19:24
97	hafnium near2 rare adj earth	USPAT	2003/10/13 19:24
14	(lamp luminaire light).ab,ti,clm. and (TLF TLCl TLBr TLI) and (mercury hg) and (sodium na) and (molar mole) and (alkaline beryllium magnesium calcium strontium barium radium be mg ca sr ba ra) and (fluorine chlorine bromine iodine) and (halide halogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/14 10:52

98	(US-5013968-\$ or US-4810938-\$ or US-6597116-\$ or US-6583563-\$ or US-6528946-\$ or US-6436313-\$ or US-6400084-\$ or US-6392346-\$ or US-6362569-\$ or US-6323585-\$ or US-6200918-\$ or US-6184618-\$ or US-6147453-\$ or US-6107742-\$ or US-5973454-\$ or US-5916482-\$ or US-5866981-\$ or US-5861714-\$ or US-5729090-\$ or US-5698948-\$ or US-5631522-\$ or US-5631201-\$ or US-5512800-\$ or US-5479065-\$ or US-5451838-\$ or US-5451553-\$).did. or (US-5323085-\$ or US-5289081-\$ or US-5239232-\$ or US-5225733-\$ or US-5194332-\$ or US-5122710-\$ or US-5105121-\$ or US-5099174-\$ or US-5075587-\$ or US-4963787-\$ or US-4926091-\$ or US-4847533-\$ or US-4841195-\$ or US-4837481-\$ or US-4810930-\$ or US-4806825-\$ or US-4801846-\$ or US-4757233-\$ or US-4748391-\$ or US-4736136-\$ or US-4716336-\$ or US-4716335-\$ or US-4663563-\$ or US-4590405-\$ or US-4503556-\$ or US-4439711-\$ or US-4422007-\$).did. or (US-4243909-\$ or US-4229673-\$ or US-4216408-\$ or US-4185222-\$ or US-4172042-\$ or US-4093890-\$ or US-4049992-\$ or US-4007394-\$ or US-3959682-\$ or US-3937998-\$ or US-3912959-\$ or US-3852630-\$ or US-3842307-\$ or US-3832591-\$ or US-3793046-\$ or US-3786297-\$ or US-3761758-\$ or US-3737331-\$ or US-3670194-\$ or US-3651363-\$ or US-3639801-\$ or US-3615756-\$ or US-3564328-\$ or US-3555337-\$ or US-6483241-\$ or US-6069456-\$ or US-5363007-\$).did. or (US-6469446-\$ or US-6184849-\$ or US-5828356-\$ or US-4445067-\$ or US-3979624-\$).did. or (US-20020145379-\$ or US-20020113554-\$ or US-20020063511-\$ or US-20020047526-\$ or US-20010033133-\$ or US-20010004191-\$ or US-20030015949-\$ or US-20030062831-\$ or US-20030025455-\$ or US-20030006705-\$ or US-20020185979-\$ or US-20020185973-\$ or US-20020179859-\$).did.	USPAT; US-PGPUB	2003/10/14 10:51
13	(US-3821577-\$ or US-3796585-\$ or US-3574645-\$ or US-3569762-\$ or US-3545987-\$ or US-3530327-\$ or US-3430089-\$ or US-3379916-\$ or US-3351796-\$ or US-3219869-\$ or US-2965786-\$ or US-2899584-\$ or US-2805166-\$).did.	USOCR	2003/10/14 10:51
11	(lamp luminaire light).ab,t,clm. and (TLF TLCL TLBR TLT) and (mercury hg) and (NaI NaF NaCl NaBr (sodium na) near5 (halide)) and (molar mole) and ("MgI.sub.2" "MgF.sub.2" "MgCl.sub.2" "MgBr.sub.2" "CaI.sub.2" "CaF.sub.2" "CaCl.sub.2" "CaBr.sub.2" "SrI.sub.2" "SrF.sub.2" "SrCl.sub.2" "SrBr.sub.2" "BaI.sub.2" "BaF.sub.2" "BaCl.sub.2" "BaBr.sub.2" "BeI.sub.2" "BeF.sub.2" "BeCl.sub.2" "BeBr.sub.2" "RaI.sub.2" "RaF.sub.2" "RaCl.sub.2" "RaBr.sub.2") and (rare adj earth)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDR	2003/10/14 15:03